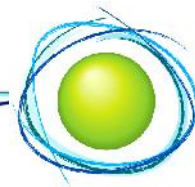


Lake Phoenix: Halting urban sprawl by redevelopment of industrial sites in Dortmund



**Toward green cities in Asia: managing urban sprawl
Surabaya - April 2015**



Dortmund is located at the coalmining area of Germany

Dortmund



280 km²

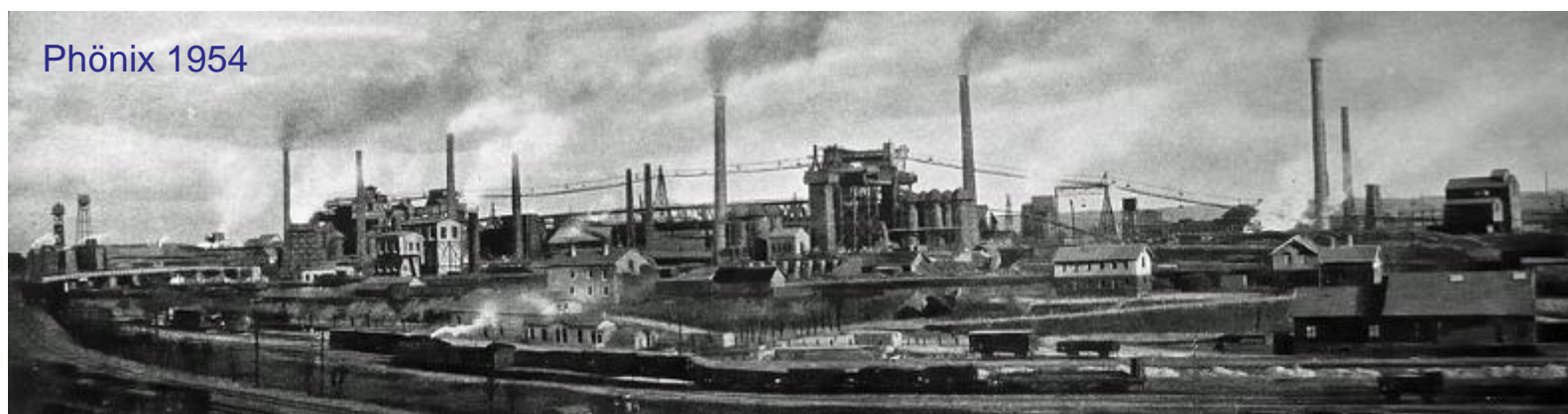
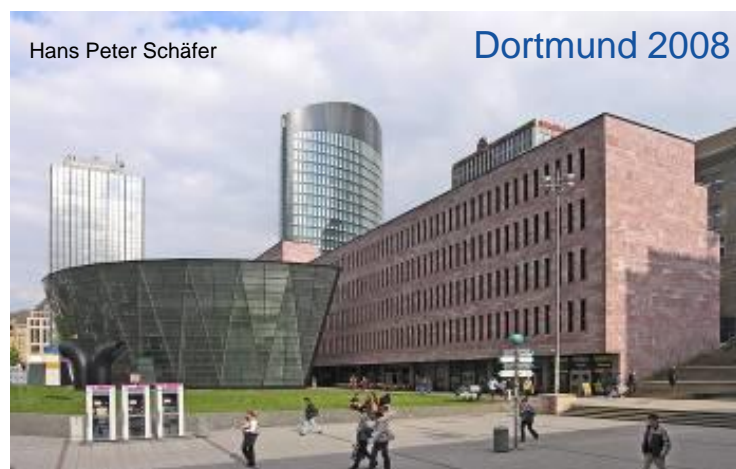
581.000 pop.
2.050/ km²

Surabaya



375 km²

3.115.000 pop.
8.300/ km²



„River-Emscher-System“ 100 years of first-class - engineering and Impacts of climate change



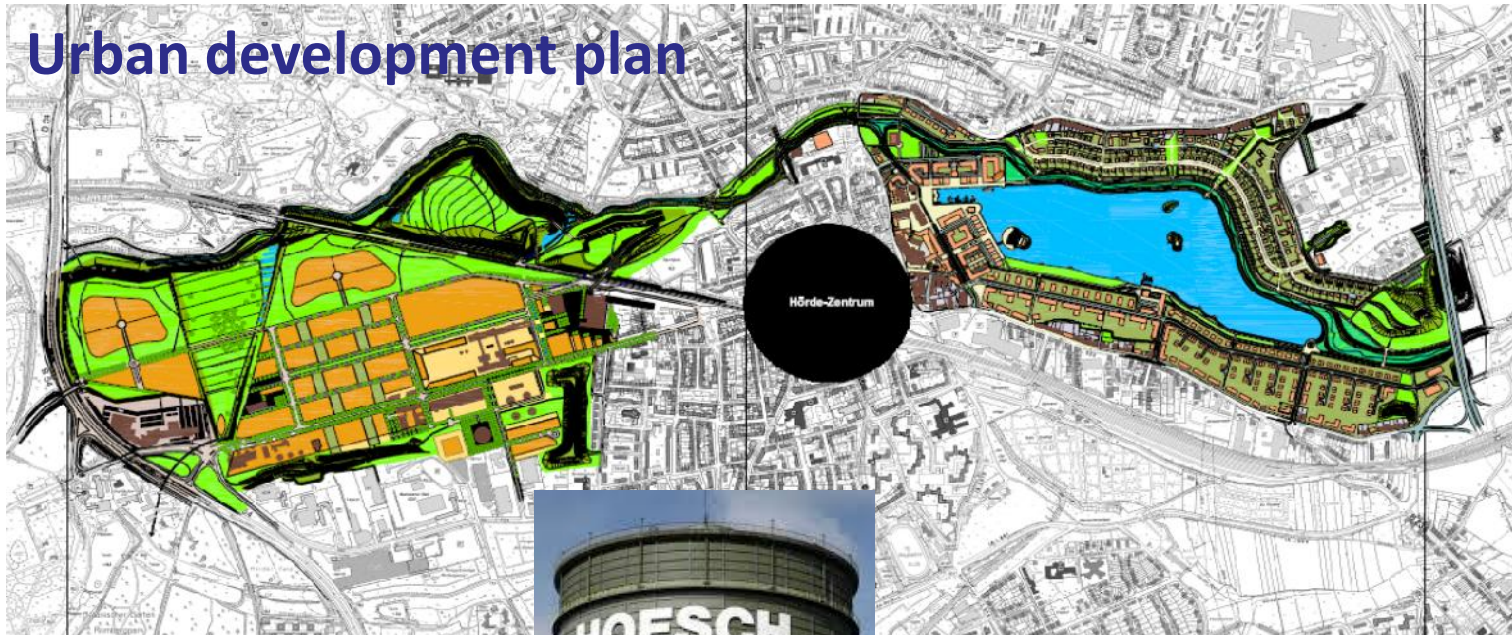
Main challenge



- structural change
- social problems
- climate change
- environmental issues
- industrial heritage

The idea: „Technology Park Phönix West and Lake Phönix

Urban development plan

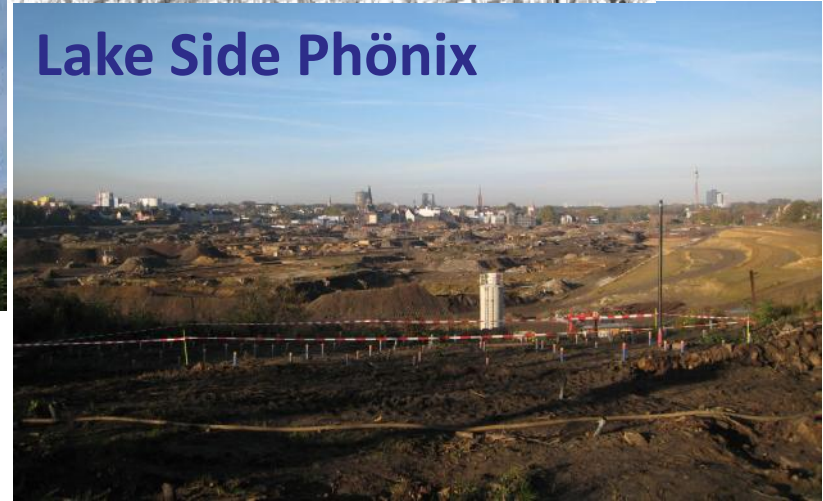


Blast Furnace



Gasometer

Lake Side Phönix



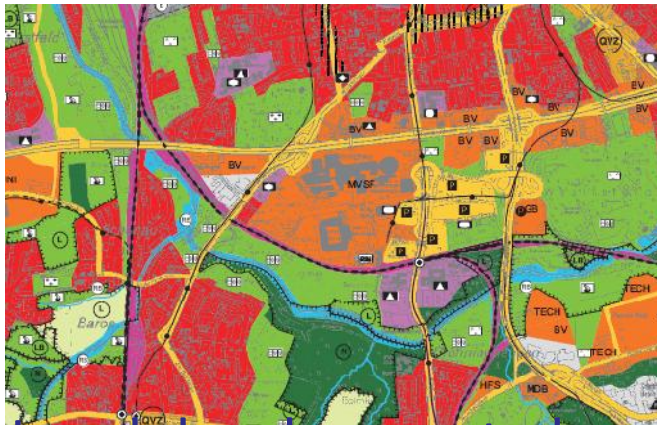
Institutional settings by legal processes



Citizens



Decision makers



Local development plan

Local council
Settlement policy
Urban planning
Landscape plan
Citizen participation
Energy concept

Planning Authority
Environment Agency
Management Company
NGO's
Investors
Climate protection team

Practical Implementation



Facing future challenges by: landscape architecture, urban design, nature reconstruction, adaption to climate change, new jobs, housing supply



Managing redevelopment in Dortmund

Practice transfer processes



Necessary preconditions

Ideas(exchange); **doer** and **strategist**; persuasiveness; good **networking**; in touch with the specific **local situation**, **legislation** and planning **policies**; **creativity**, **courage**; **money**; **act** with **foresight**; **streamlined organisation**; **unconventional solutions**

First steps

local council decision for development plan process; public participation; **development company subordinate to municipality**; regular **round table meetings** for all **stakeholders**

